

Jampilen RP348U

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP348U is a new random copolymer featuring very high fluidity. It is suitable for injection molding applications. Jampilen RP348U is nucleated and contains anti-static additive. Jampilen RP348U exhibits very high fluidity while maintaining the standard stiffness impact balance of a lower melt flow random copolymer. The product exhibits very good transparency and gloss. Jampilen RP348U can be used in housewares and in food packaging. Its high fluidity allows short processing cycle times, molding of very thin wall items and very complex geometry.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	High Clarity		
	High Flow		
	High Gloss		
	Nucleated		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Sporting Goods		
	Thin-walled Parts		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	53.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	12	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/A
0°C	1.0	kJ/m ²	
23°C	3.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	10	%	ASTM D1003

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